

SEQUENCE LISTING

<110> Waterhouse, Peter M

Wang, Ming-Bo

Graham, Michael W

Commonwealth Scientific and Industrial Research Or

<120> Methods and means for obtaining modified phenotypes

<130> echidna

<140>

<141>

<150> US SN 09/056,767

<151> 1998-03-08

<150> US SN 09/127735

<151> 1998-08-03

<160> 7

<170> PatentIn Ver. 2.0

<210> 1

<211> 854

<212> DNA

<213> Potato virus Y

<220>

<223> fragment of the NIa ORF

<400> 1

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aaagcaagta cctccgaacc aatgagcaca atgaatgggt caagtcttgg atttataatc 780
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854

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<210> 2
 <211> 2186
 <212> DNA
 <213> Artificial Sequence

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 <223> Description of Artificial Sequence: coding region
 of the Gusd CoP construct

<220>
 <221> misc_structure
 <222> ()..)
 <223> deficient Gus coding region

<220>
 <221> misc_feature
 <222> ()..(2186)
 <223> antisense to the 5' end of the Gus coding region

<400> 2
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 gaaagccggg caattgctgt gccaggcagt tttaacgata agttcgccga tgcagatatt 180
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<210> 3

<211> 208

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:5'UTR of
Johnson mosaic virus

<400> 3

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tcgcacagag ataagcagga aaccatggca ggtgagtggg acacagtttg atagtaagag 180
aaaccagagg aagactgcag gtacccgc 208

```

<210> 4

<211> 1150

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Subteranean
clover virus S4 promoter with S7 enhancer

<400> 4

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gcttatgagg aataaagaat gattaatatt gtttaatttt attccgcgaa gcggtgtgtt 120
atgtttttgt tggagacatc acgtgactct cacgtgatgt ctccgcgaca ggctggcacg 180
gggcttagta ttaccccgctg ccgcatcaga gacatttgac taaatattga cttggaataa 240
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aaagtaggaa attgctcgct aagttattct tttctgaaag aaattattta attctaatta 480
aattaaatga gtcgctataa atagtgtcga tgctgcctca catcgattc ttcttcgcat 540
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ataaaagaat ttttattgtt attgtgttat ttggtaattt atgcttataa gtaattctat 660
gattaattgt gaattattaa gactaatgag gataataatt gaatttgatt aaattaactc 720

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tgccaagcta tatgtctttc acgtgagagt cacgtgatgt ctccgcgaca ggctggcacg 780
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<210> 5

<211> 1052

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: subterranean
clover virus promoter S4 with S4 enhancer

<400> 5

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 actaatgagg ataataattg aatttgatta aattaactct gcgaagctat atgtctttca 180
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<210> 6

<211> 1583

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: coding
sequence of the desaturase CoP construct

<220>

<221> misc_feature

<222> (1)..(480)

<223> corresponding to the 5' end of the
delta12-desaturase (fad2) coding region, in sense
orientation

<220>

<221> misc_feature

<222> (1101)..(1583)

<223> corresponding to the 5' end of the
delta12-desaturase (fad2) coding region, in anti
sense orientation

<400> 6

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gacacagttg gtcttatctt ccattccttc ctctctgtcc cttacttctc ctggaagtat 240
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gtaagcaccg gatactgggt ctatggtcaa tctgtgtcg gaactgtccg gggtatctca 1500
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atcttcgtac tccgatatta cta 1583
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<210> 7

<211> 786

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: intron 2 of
the *Flaveria trinervia* purvate orthophosphate
dikinase

<400> 7

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atattgttta cataaacaac atagtaatgt aaaaaaatat gacaagtgat gtgtaagacg 180
aagaagataa aagttgagag taagtatatt atttttaatg aatttgatcg aacatgtaag 240
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attaaatatac aatgataaaa tactatagta aaaataagaa taaataaatt aaaataatat 360
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caaaatatta aataacaagc taaagtaaca aataatatca aactaataga aacagtaatc 540
taatgtaaca aaacataatc taatgctaata ataacaaagc gcaagatcta tcattttata 600
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